



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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November 12, 1993

CERTIFIED RETURN RECEIPT  
P 074 978 879

Mr. Jerry North  
Interstate Brick Company  
9780 South 5200 West  
West Jordan, Utah 84088

Re: Site Reclamation, Interstate Brick Company, Big Cottonwood Mine,  
M/035/003, Salt Lake County, Utah

Dear Mr. North:

On September 24, 1993, the Division received a formal complaint from Wendell E. Bennett (an attorney representing clients in the Canyon Cove area) regarding reclamation of the Cottonwood site. On October 15, 1993, Division staff performed an inspection of the site to evaluate the current reclamation status. The inspection revealed that reclamation which was to have been completed following our previous (December 3, 1992) inspection, had not been performed.

According to Rule R647-4-117, item 4, the Division may require reclamation of a large mining operation required after five (5) years of continued suspension. Under this same rule, the Division will require complete reclamation of the mine site when the suspension period exceeds 10 years. Our file records indicate no mining has taken place at the Cottonwood site since 1985, and the site was officially listed as suspended by the Division in 1988.

At this time, the Division requests that Interstate Brick Company complete the required reclamation of the Cottonwood site as soon as possible, but no later than June 1, 1994. The following reclamation remains to be performed:

1. increasing the height of the earthen berm (*refer to attached design specifications*);



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2. remove and properly dispose of ripped asphalt, or bury and topsoil;  
and
3. seed all disturbed areas using the approved seedmix (*copy attached*).

**NOTE:** We assume that the revegetation plan (received March 4, 1991), entitled *The Enclave at Canyon Cove Seeding Recommendation*, will be followed. Compacted surfaces should be disked, or otherwise loosened, prior to seeding. If the seedmix is broadcast (instead of hydromulched), then the seed should be lightly raked or scarified to ensure proper seed/soil contact. Seeding should be performed in late fall (preferably), or early spring (i.e., once the ground can be worked). We recommend leaving the disturbed areas (especially slopes), in a roughened condition to minimize erosion and sediment loss.

Please provide us with a proposed schedule for completing this reclamation within two weeks of your receipt of this letter. Please have the contractor notify our office a day or two before the scheduled work begins. If you have any questions in this regard, please contact me, Wayne Hedberg, or Tony Gallegos of the Minerals staff.

Sincerely,



Lowell P. Braxton  
Associate Director, Mining

jb  
Attachments  
cc: Walt Plumb, Plumb & Associates  
Minerals staff (route)  
M35-03.rec



THE ENCLAVE AT CANYON COVE  
SEEDING RECOMMENDATIONS

REVEGETATION

All areas of disturbance that are indicated on the plan as hydroseed shall be reseeded as soon as possible and within the guidelines herein stated. The areas shall be hydroseeded over smoothly graded soil that is free of large rocks and debris. The hydroseed mix shall contain the recommended seed mix ratios plus a wood fiber mulch with a chemical tackifier added as well as the appropriate fertilizer. The seeding shall occur in a two stage process as indicated below. All seeded areas should be fertilized with a granular type urea fertilizer with an analysis of 16-16-16, applied at the rate of 100 lbs. per acre. A wood cellulose fiber mulch shall be applied at a rate of 2000 lbs. per acre. Ten percent of the mulching fiber shall be applied with the seed and fertilizer. The remaining ninety percent shall be applied as a top coating to the seeded areas. Revegetation should be scheduled to occur during one of the following timeframes: September through November or April through June. In no case should seed be applied to frozen ground conditions. The Landscape Architect shall be notified prior to all seeding.

SEED MIX RECOMMENDATIONS

One of the following seed mixes and the grass mix listed below should be used for revegetation of the site. Any substitutions due to availability of seed shall be brought to the attention of the Landscape Architect prior to seeding operations.

Recommended Mix A:

Great Basin Wildflower Mix as available from Granite Seed, Lehi, Utah. The seed shall be applied at a rate of 18 pounds per acre (6.5 ounces per 1000 square feet). Contact: Scott Spackeen, Granite Seed; 801- 768-4422.

Alternate Mix B:

Western Mixture No. 8053 as available from Applewood Seed Company, Arvada Colorado. The seed shall be applied at a rate of 14 pounds per acre (5.2 ounces per 1000 square feet).

The following mix of grasses shall also be used with the wildflower seed mix.

Scientific Name	Common Name	Lbs. per acre
Agropyron cristatum	Crested Wheatgrass	6.0
Agropyron riparium	Streambank Wheatgrass	6.0
Festuca ovina	Sheep Fescue	5.0
Total Lbs. per Acre		17.0

The seed listed above is available from the following sources:

Granite Seed, Inc.  
1697 West 2100 North  
Lehi, Utah 84043  
(801) 768-4422

Applewood Seed Company  
5380 Vivian Street  
Arvada, Colorado 80002  
(303) 431-6283

Where a seed type is not available at the time of planting, substitutions will be determined by the Landscape Architect. All seeding shall be applied at the above specified rate according to accepted industry standards.

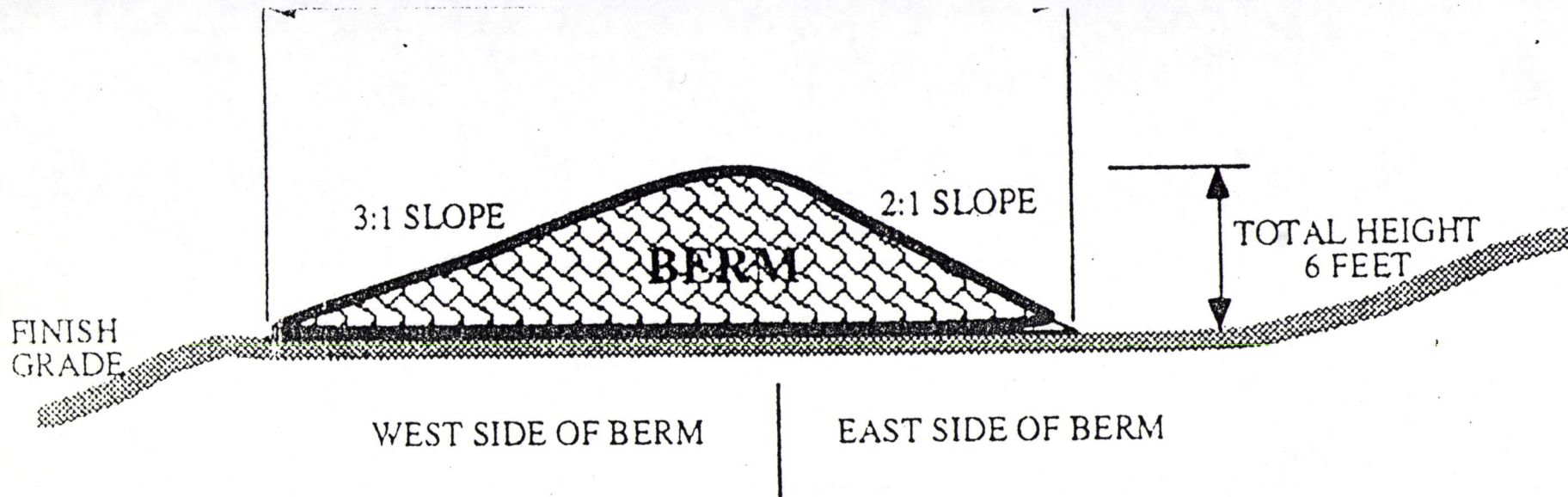
FROM RECLAMATION PLAN DESIGN DRAWING  
RECEIVED 3-4-91 BY D.O.G.M.

M/035/003

CONTENT ANALYSIS  
GREAT BASIN WILDFLOWER SEED MIX  
GRANITE SEED COMPANY; LEHI UTAH  
FEBRUARY 24, 1991

% SEED	SCIENTIFIC NAME	COMMON NAME	TYPE
9.94	LINUM LEWISII	LEWIS BLUE FLAX	P
7.95	ESCHSCHOLZIA CALIFORNICA	CALIFORNIA POPPY	A
7.91	LINUM GRANDIFLORUM	SCARLET FLAX	A
7.43	COREOPSIS TINCTORIA	DWARF PLAINS COREOPSIS	P
6.31	GAILLARDIA PULCHELLA	INDIAN BLANKET	A
5.90	PAPAVER RHODES	FLANDERS POPPY	A
5.73	GAILLARDIA ARISTATA	BLANKET FLOWER	P
5.29	MENTZELIA LINDLEYI	BLAZING STAR	A
4.91	SPHAERALCEA GROSSULARIAEFOLIA	GOOSEBERRY LEAF GLOBEMALLOW	P
3.94	OENOTHERA PALLIDA	WHITE EVENING PRIMROSE	P
3.91	PENSTEMON PALMERI	PALMER PENSTEMON	P
3.89	PENSTEMON STRICTUS 'BANDERA'	ROCKY MOUNTAIN PENSTEMON	P
3.88	PHACELIA CAMPANULARIA	BLUEBELL	A
3.93	CENTAUREA CYANUS	DWARF BLUE CORNFLOWER	A
2.92	HEDYSARUM BOREALE	NORTHERN SWEETVETCH	P
2.88	RATIBIDA COL. FORMA PULCHERRIMA	RED PRAIRIE CONEFLOWER	P
2.83	RATIBIDA COLUMNARIS	YELLOW PRAIRIE CONEFLOWER	P
1.96	SPHAERALCEA MUNROANA	MUNRO GLOBEMALLOW	P
1.95	LUPINUS SERICEUS	SILKY LUPINE	P
1.82	VIGUIERA MULTIFLORA	SHOWY GOLDENEYE	P
1.54	CASTILLEJA CHROMOSA	INDIAN PAINTBRUSH	P
0.80	ASTER CHILENSIS	PACIFIC ASTER	P
0.04		OTHER CROP	
2.28		INERT MATTER	
0.06		WEED SEED	
0.00		NOXIOUS WEED SEEDS	
100.00	TOTAL SEED CONTENT		

NOTE : TYPE : P = PERENNIAL ; A = ANNUAL



## TYPICAL BERM SECTION

NOT TO SCALE

FROM RECLAMATION PLAN DESIGN DRAWING  
RECEIVED 3-4-91 BY D.O.G.M.  
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